

Amendments to the Drawings:

The attached sheet of drawings includes changes to Figures 1 and 2. The sheets replace the original sheets including Figures 1 and 2.

Attachment: Replacement Sheets

REMARKS

The drawings have been objected to in the Office Action. Replacement drawings are attached hereto. No new matter has been added.

Claims 1-12 have been rejected under 35 USC 103(a) as unpatentable over Chang in view of Urbanski and Gupta or Fuse. The rejection is respectfully traversed.

Chang discloses a method and system for echo cancellation including a double talk detector configured for detecting a double talk condition, where the double talk detector operates to detect the double talk condition by monitoring voice energy in a first frequency band. Additionally, Chang discloses adaptive filter configured for producing an echo signal based on a set of coefficients, where the adaptive filter holds the set of coefficients constant when the double talk detector detects the double talk condition. Also provided is a means for inputting audible signals in a second frequency band and the echo signal is used to cancel echo in the input signal. However, the signal analysis and processing in Chang is carried out in the receiving device, i.e. the device receiving the downlink signal and transmitting the uplink signal.

Urbanski relates to an audio signal processor and an associated method for use with a digital radio telephone system for performing a signal analysis and processing for echo cancellation in the receiving device, similar to Chang. Gupta and Fuse also operate during signal analysis and processing for echo cancellation at the receiving device. Processing in this way delays the transmission to the other party of the uplink data originating from the terminal over the telecommunications network, and the transmission to the terminal of data originating from the other part as downlink data over the telecommunications network.

The invention reduces the echo in the uplink data coming from a terminal, and optimizes the delay in data by echo cancellation. In doing so, the signal analysis and processing for echo cancellation is carried out in the transmitting device, not the receiving device, as stated in the claims. As such, reduction in delay is achieved. That is, in the claimed invention (see, for example, claims 1 and 8), a downlink data copy of downlink data is transmitted from the telecommunications network in the direction of the terminal.

In view of the above, Applicants submit that this application is in condition for allowance. An indication of the same is solicited. The Commissioner is hereby authorized to charge deposit account 02-1818 for any fees which are due and owing, referencing Attorney Docket No. 118744-156.

Respectfully submitted,

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